

FEEDBACK-RESISTANT PYRUVATE CARBOXYLASE GENE FROM  
CORYNEBACTERIUM

ABSTRACT OF THE DISCLOSURE

The present invention relates to a mutated pyruvate carboxylase gene from *Corynebacterium*. The mutant pyruvate carboxylase gene encodes a pyruvate carboxylase enzyme which is resistant to feedback inhibition from aspartic acid. The present invention also relates to a method of replacing the wild-type pyruvate carboxylase gene in *Corynebacterium* with this feedback-resistant pyruvate carboxylase gene. The present invention further relates to methods of the production of amino acids, preferably lysine, comprising the use of this mutant pyruvate carboxylase enzyme in microorganisms.

100-102-103-104-105-106-107-108-109-110